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(8.7.3/AUX-3.1.1) with SMTP id UAA21047; Sat, 9 Dec 1995 20:48:37 -0600 (CST)  
Date: Sat, 9 Dec 1995 20:48:37 -0600 (CST)  
Message-Id: <199512100248.UAA21047@uro.theporch.com>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 43  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

#### GLOWBUGS Digest 43

Topics covered in this issue include:

- 1) Two Tube Superhet Receiver  
by EricNess@aol.com
- 2) Re: Two Tube Superhet Receiver  
by "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
- 3) inrush current  
by Bruce Robertson <brucero@epas.utoronto.ca>

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Date: Sat, 9 Dec 1995 02:57:46 -0500  
From: EricNess@aol.com  
To: glowbugs@theporch.com  
Subject: Two Tube Superhet Receiver  
Message-ID: <951209025744\_49020136@mail02.mail.aol.com>

Thanks to all who responded to my call for two tube receiver ideas. During my search for an appealing circuit, I came across a design in the 1948 ARRL Handbook called the Two Tube Superhetrodyne Receiver. The circuit uses a 6K8 converter tube to mix the desired range down to a 1600 KHz IF. The second tube, a 6SN7 dual triode, is used as a regenerative detector and audio amp.

I am wondering if anybody has any experience with this circuit? In theory it sounds good since selectivity is better achieved at a lower frequency. On the other hand, I would imagine that oscillator stability would become an issue, especially above 5 MHz.

A second question is, Does anybody know where I might find the specified coil forms? The form is a shielded, plug in, slug tuned form #74001 from Millen. I was fortunate enough to have two of these forms in my junk box but, that only gets me onto one band.

73's, Eric WD6DGX

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Date: Sat, 9 Dec 1995 12:01:24 -0700 (MST)  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
To: EricNess@aol.com  
Cc: Multiple recipients of list <glowbugs@theporch.com>  
Subject: Re: Two Tube Superhet Receiver  
Message-ID: <Pine.3.89.9512091152.A2891-01000000@mesa5.mesa.colorado.edu>

I, too, have been interested in building the two-tube superhet shown in the 1948 handbook for some time. The only thing holding me back, as well, are the Millen 74001 coil forms and shields. I'd sure appreciate it if someone could suggest an alternative approach to those coils.

Jim Rybak W0KSD

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Date: Sat, 9 Dec 1995 17:23:28 -0500 (EST)  
From: Bruce Robertson <brucerob@epas.utoronto.ca>  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: inrush current  
Message-ID: <Pine.SGI.3.91.951209171901.24505B-1000000@blues.epas.utoronto.ca>

I noticed in my 1953 ARRL Handbook that hollow rectifiers are rated with max current, but no inrush current which is the bugaboo for silicon diodes (i.e. the current that comes when the rig is turned on and the filter caps give basically a dead short for a millisecond). Thinking about this, I figure that hollow rectifiers slowly come on line as the filament heats up, so this isn't a problem. Am I right?

73, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

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End of GLOWBUGS Digest 43  
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